

Application No. 09/888,959

Reply to Office Action dated November 18, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) A method for identifying a type of leukemia in a human subject, said method comprising:

obtaining a biological sample from said human subject, said sample comprising CD antigens associated with a type of leukocyte;

contacting said sample with an array of immunoglobulin molecules having specificity for said CD antigens wherein at least five of the CD antigens are selected from the list consisting of CD2, CD3, CD4, CD5, CD7, CD8, CD9, CD10, CD11b, CD11c, CD13, CD14, CD15, CD16, CD19, CD20, CD21, CD22, CD23, CD24, CD25, CD33, CD34, CD36, CD37, CD38, CD41, CD42, CD42a, CD45, CD45RA, CD45RO, CD52, CD56, CD57, CD60, CD61, CD71, CD79a, CD95, CD103, CD117, CD122 and CD154 and, wherein said array comprises said immunoglobulin molecules immobilized to a solid support; and,

determining which CD antigens have bound to which immobilized immunoglobulin molecules to thereby establish a pattern of presence or absence or level of CD antigens, which pattern is characteristic of a type of leukemia.

Claim 2. (Previously Presented) The method of Claim 1, wherein the immunoglobulin molecules are monoclonal antibodies.

Claim 3. - 6. (Canceled)

Claim 7. (Previously Presented) The method of Claim 1, wherein at least one of the immunoglobulin molecules in the array is capable of interaction with a CD antigen from chronic lymphocytic leukemia (CLL).

Claims 8.-17. (Withdrawn)

Application No. 09/888,959

Reply to Office Action dated November 18, 2003

Claim 18. (Previously Presented) The method of Claim 1 wherein the immunoglobulin molecules are polyclonal antibodies.

Claim 19. (Previously Presented) The method of Claim 1 wherein the biological sample is selected from the list consisting of cells, cell debris, cell extracts, tissue fluid, serum, plasma, blood, cerebrospinal fluid, urine, lymphatic fluid, seminal fluid, aspirate, bone marrow aspirate and mucus.

Claim 20. (Previously Presented) The method of Claim 19 wherein the biological sample is blood.

Claim 21. (New) The method of Claim 1, wherein the immunoglobulin molecules are antigen binding fragments of immunoglobulin molecules.